

# Flu Watch

MMWR Week 21: May 20 to May 26, 2018

*All data are provisional and subject to change as more reports are received.*

## Geographic Spread



South Carolina reported **sporadic activity** this week.



## Influenza-Associated Hospitalizations and Deaths

A total of **2** influenza-associated hospitalizations were reported by 24 hospitals. The cumulative hospitalization rate is **90.5** per 100,000. There was **1** laboratory-confirmed influenza-associated death reported; however, this death occurred in a previous week. The cumulative mortality rate is **5.5** per 100,000. Compared to the previous week, the number of reported hospitalizations **decreased** by **14 (87.5%)** and number of reported deaths **decreased** by **1 (100%)**. In the current flu season, there have been **4,491** influenza-associated hospitalizations and **272** influenza-associated deaths reported.



## Virologic Surveillance

A total of **97** influenza cases (**96** positive rapid antigen detection tests; **1** lab-confirmed test) were reported from 22 counties representing all four DHEC Public Health regions. Influenza B was most frequently reported by clinical labs. Compared to the previous week, this is a **decrease** of **31** cases (**24.2%**). In the current flu season, there have been **135,218** influenza cases (**131,665** positive rapid antigen detection tests; **3,553** lab-confirmed tests) reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.19%**, which is **below** South Carolina's baseline (**3.13%**). Compared to the previous week, this is an **increase** of **0.10%**.

The ILI activity level was **minimal**.

For a description of South Carolina's influenza surveillance components and definitions go to:

<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

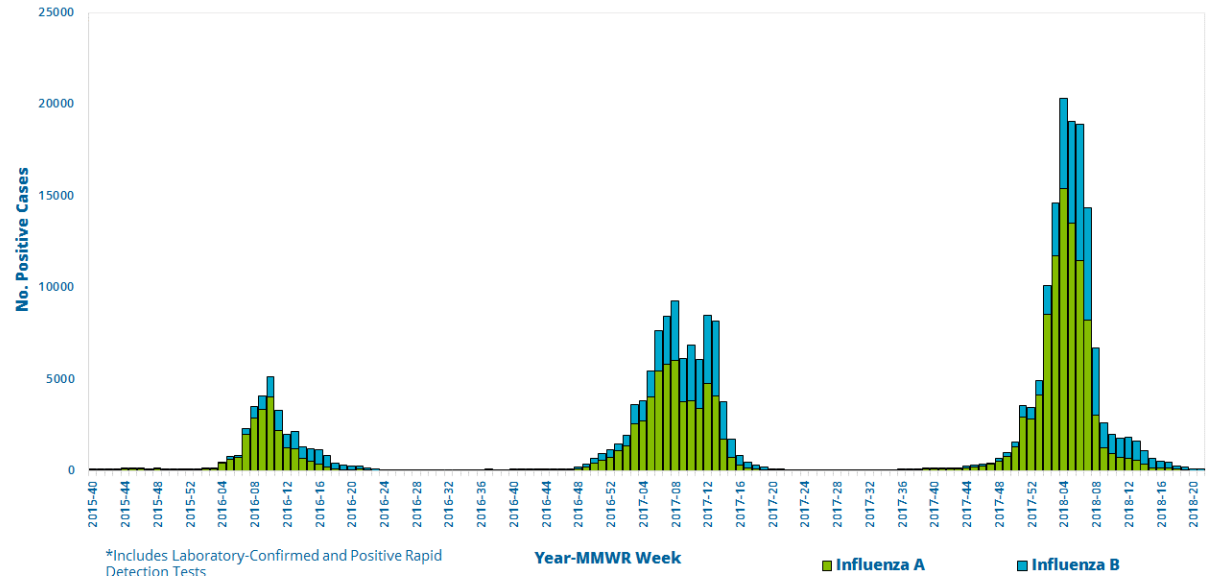


# Virologic Surveillance

This week, **1** lab-confirmed cases and **96** positive rapid influenza detection tests were reported by clinical labs.

**Influenza B** was most frequently reported by clinical labs.

**Influenza Cases\* Reported by Clinical and Public Health Labs, 2015-16 Season to Present**



**Influenza Cases Reported by Public Health and Clinical Labs, This Week and Season Total**

Influenza Type	Public Health Lab		Clinical Labs		Total	
	This Week	Season Total	This Week	Season Total	This Week	Season Total
<b>Overall</b>	<b>0</b>	<b>228</b>	<b>97</b>	<b>134990</b>	<b>97</b>	<b>135218</b>
<b>Influenza A</b>	<b>0</b>	<b>168 (73.7%)</b>	<b>31 (32.0%)</b>	<b>91100 (67.5%)</b>	<b>31 (32.0%)</b>	<b>91268 (67.5%)</b>
A (H3)	--	127 (75.6%)	--	390 (0.4%)	--	517 (0.6%)
A (H1N1)	--	41 (24.4%)	--	168 (0.2%)	--	209 (0.2%)
A (not subtyped)	--	--	31 (100%)	90542 (99.4%)	31 (100%)	90542 (99.2%)
<b>Influenza B</b>	<b>0</b>	<b>60 (26.3%)</b>	<b>66 (68.0%)</b>	<b>43375 (32.1%)</b>	<b>66 (68.0%)</b>	<b>43435 (32.1%)</b>
B (Victoria)	--	2 (3.4%)	--	--	--	2 (0.0%)
B (Yamagata)	--	53 (88.3%)	--	--	--	53 (0.1%)
B (lineage not performed)	--	5 (8.3%)	66 (100%)	43375 (100%)	66 (100%)	43380 (99.9%)
<b>Influenza (not typed)</b>	<b>--</b>	<b>--</b>	<b>0</b>	<b>515 (0.4%)</b>	<b>0</b>	<b>515 (0.4%)</b>



# Virologic Surveillance

Map of Influenza Cases (n)\*  
and Influenza Case Rate/100,000 By County  
For Week Ending 5/26/2018



\*Includes all lab-confirmed and positive rapid cases



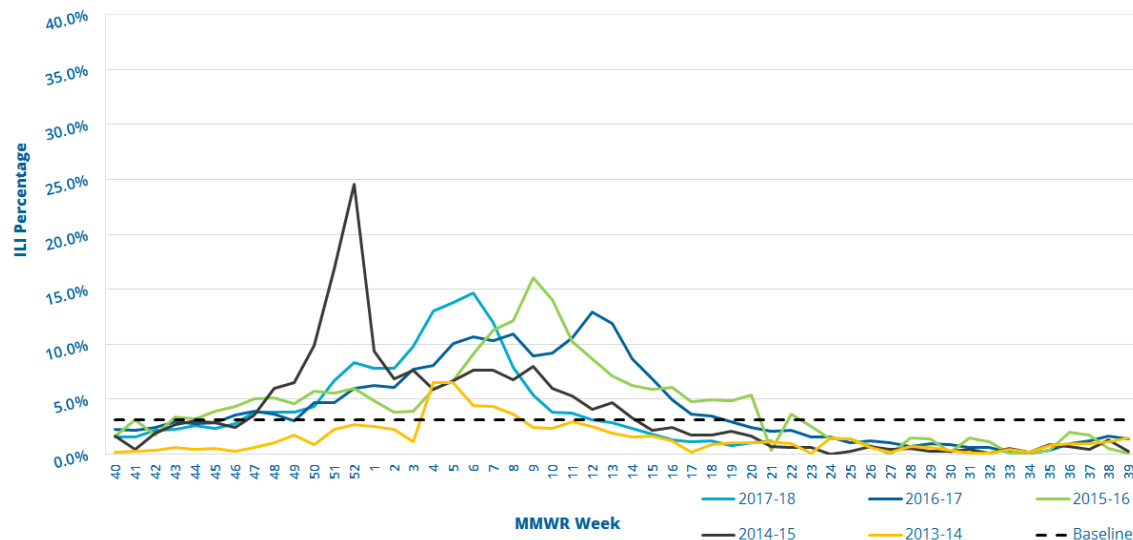
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **1.19%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.13%**.

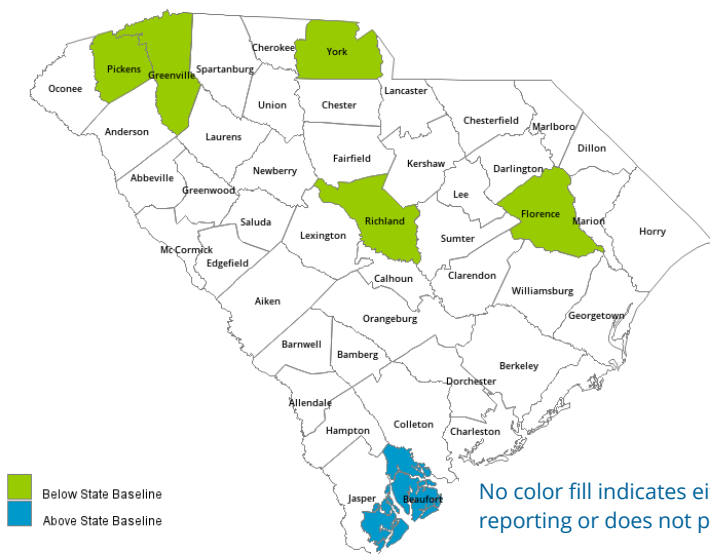
Reports were received from providers in 6 counties, representing all 4 DHEC Public Health regions.

**\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\***

Percentage of Influenza-Like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2017-18 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	35
41	45	49	2	6	10	15	19	23	28	32	36
42	46	50	3	7	11	16	20	24	29	33	37
43	47	51	4	8	12	17	21	25	30	34	38
		52			13			26			39

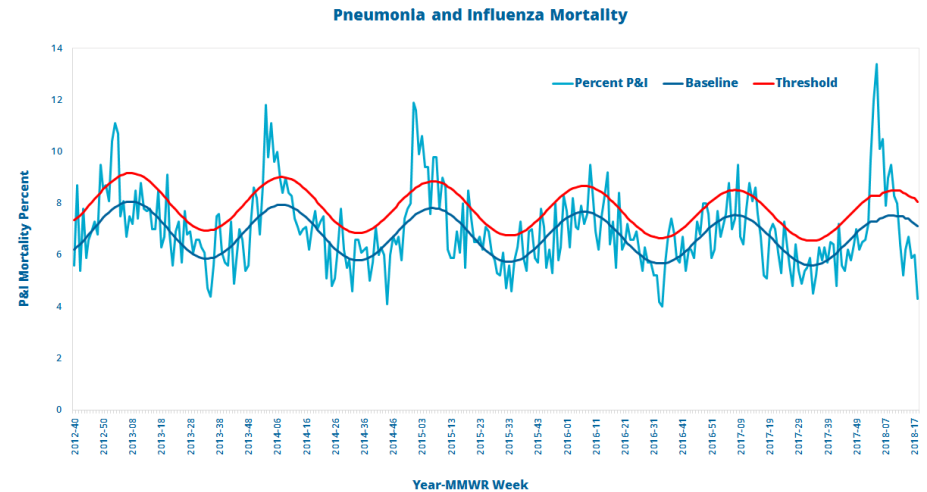
ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**



# Influenza-Associated Hospitalizations And Deaths

Age Group	Hospitalizations			Deaths		
	This Week	Rate per 100,000	Season Total	This Week	Rate per 100,000	Season Total
0 to 4	0	54.2	159	--	1.0	3
5 to 17	0	17.5	141	--	--	--
18 to 49	0	29.2	584	--	1.3	27
50 to 64	0	115.5	1052	--	5.0	46
65 & older	2	404.4	2555	--	31.0	196
Total	2	90.5	4491	--	5.5	272

The percentage of deaths attributed to pneumonia and influenza was 4.3%. This is **below** the epidemic threshold for the week ending May 5, 2018.



**Reported Influenza-Associated Hospitalizations by Age Group, 2015-16 Season to Present**

